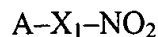


I. AMENDMENTS TO THE CLAIMS

Claim 1. (Currently Amended) A method for treatment of urinary incontinence by administering compounds having the formula:



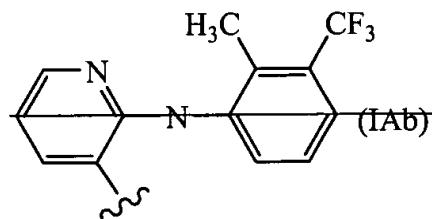
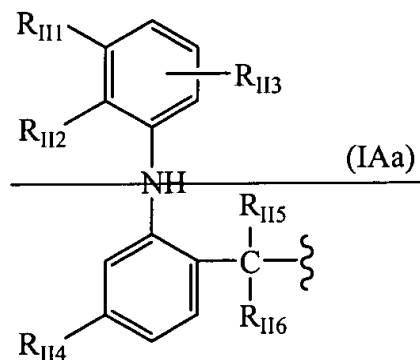
or their salts, where:

A = R(COX)_t wherein t is an integer 0 or 1;

X = O, NH, NR_{1C} wherein R_{1C} is a linear or branched alkyl having from 1 to 10 C atoms;

R is chosen from the following groups:

Group IA), where t = 1,



where:

~~R₁₁₅ is H, a linear C₁-C₃ alkyl, or a branched C₄-C₃ alkyl;~~

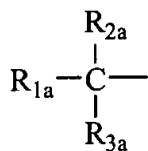
~~R₁₁₆ has the same structure as R₁₁₅;~~

~~R₁₁₁, R₁₁₂ and R₁₁₃ are each hydrogen, linear C₁-C₆ alkyl, branched C₄-C₆ alkyl, C₁-C₆ alkoxy, Cl, F, or Br;~~

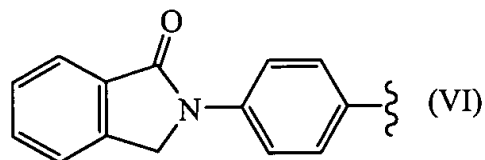
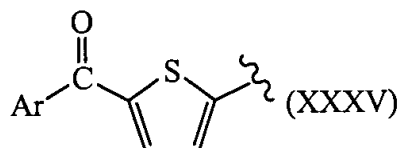
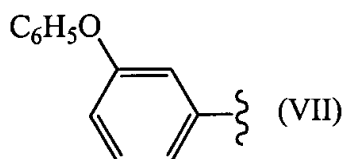
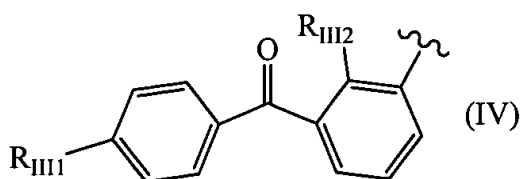
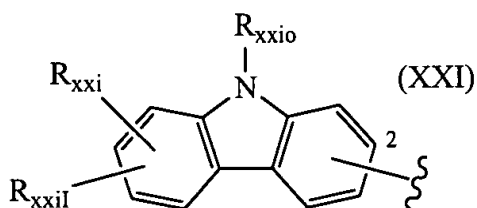
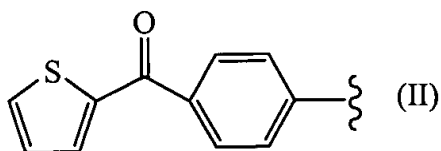
~~R₁₁₄ has the same structure as R₁₁₁ or is bromine;~~

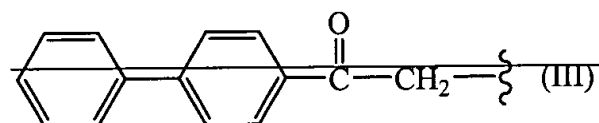
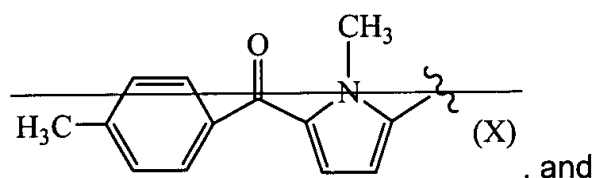
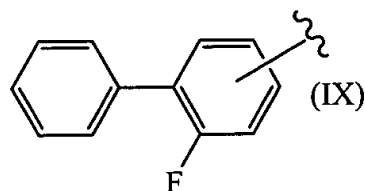
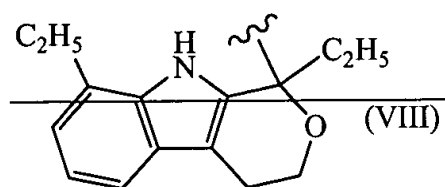
Group IIA) chosen from the following:

where, when t = 1, R is



where R_{2a} and R_{3a} are H, a linear C_1 - C_{12} alkyl, a branched C_1 - C_{12} alkyl, or allyl, with the proviso that when one of the two is allyl the other is H;
 R_{1a} is chosen from the Subgroup II Aa) consisting of:





wherein:

in the residue of formula (IV):

R_{III1} is H or SR_{III3} where R_{III3} contains from 1 to 4 linear or branched C atoms; and

R_{III2} is H or hydroxy;

in the residue of formula (XXI):

R_{xxi0} is H, a linear alkyl having 1-6 carbon atoms, a branched alkyl having from 1 to 6 carbon atoms, a C_1 - C_6 alkoxy-carbonyl bound to a C_1 - C_6 carboxyalkyl, or a C_1 - C_6 alkanoyl, optionally substituted with halogen, benzyl or halobenzyl, benzoyl or halobenzoyl;

R_{xxi} is H, halogen, hydroxy, CN, a C_1 - C_6 alkyl optionally containing OH groups, a C_1 - C_6 alkoxy, acetyl, benzyloxy, SR_{xxi2} where R_{xxi2} is a C_1 - C_6 alkyl; a perfluoroalkyl having a 1-3 C atoms, a C_1 - C_6 carboxyalkyl optionally containing OH groups,

NO₂, sulphamoyl, dialkyl sulphamoyl with the alkyl having from 1 to 6 C atoms, or difluoroalkylsulphonyl with the alkyl having from 1 to 3 C atoms;

R_{xxi} is halogen, CN, a C₁-C₆ alkyl optionally containing one or more OH groups, a C₁-C₆ alkoxy, acetyl, acetamido, or benzyloxy,

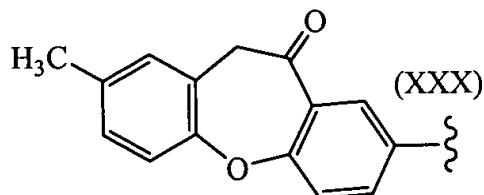
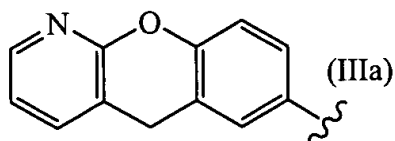
SR_{III3} is as above defined, a perfluoroalkyl having from 1 to 3 C atoms, hydroxy, a carboxyalkyl having from 1 to 6 C atoms, hydroxy, a carboxyalkyl having from 1 to 6 C atoms, NO₂, amino, mono- or dialkylamino having from 1 to 6 C atoms, sulphamoyl, a dialkyl sulphamoyl having from 1 to 6 C atoms, difluoroalkylsulphamoyl; or R_{xxi} together with R_{xxii} is an alkylene dioxy having from 1 to 6 C atoms;

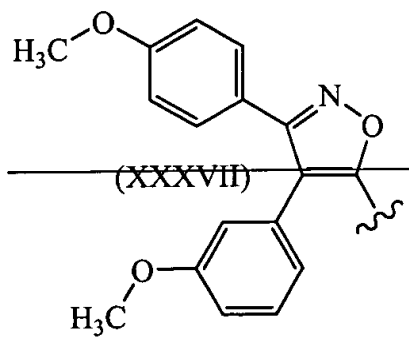
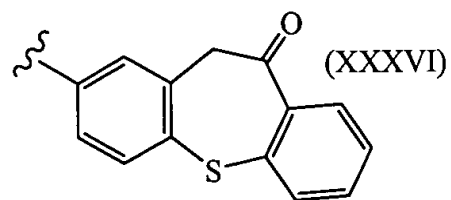
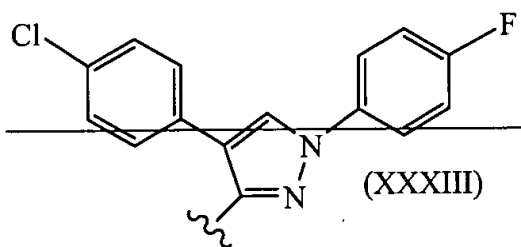
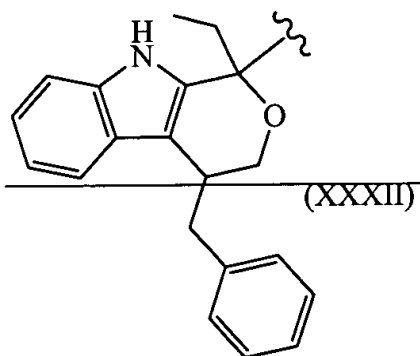
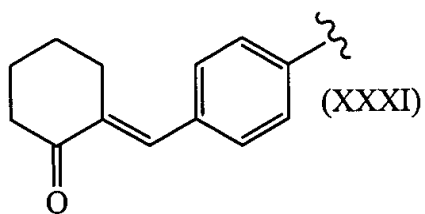
In the residue of formula (XXXV):

Ar is phenyl, hydroxyphenyl optionally mono- or polysubstituted with halogen, an alkanoyl or alkoxy having from 1 to 6 C atoms, a trialkyl having from 1-6 C atoms, cyclopentyl o-hexyl o-heptyl, thienyl, furyl, furyl containing OH, or pyridyl;

Subgroup II Ab) consisting of:

II Ab):





wherein:

when IIIa) contains $-\text{CH}(\text{CH}_3)-\text{COOH}$ it is known as
 pranoprofen: α -methyl-5H-(1) benzopyran (2,3-b) pyridine-7-acetic
 acid;

when residue (XXX) contains $-\text{CH}(\text{CH}_3)-\text{COOH}$ it is known as
 bermoprofen: dibenz[b,f]oxepin-2-acetic acid;

residue (XXXI) is known as CS-670: 2-(4-2(2-oxo-1-
 cyclohexylidenemethyl) phenyl) propionic acid, when the radical is
 $-\text{CH}(\text{CH}_3)-\text{COOH}$;

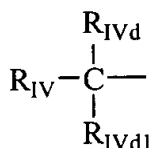
when residue (XXXII) contains group $-\text{CH}_2\text{COOH}$ it is known as
 pemedolac;

when residue (XXXIII) is saturated with $-\text{CH}_2\text{COOH}$ it is known
 as pyrazolac: 4-(4-chlorophenyl)-1-(4-fluorophenyl) 3-pyrazolyl acid
 derivatives;

when residue (XXXVI) is saturated with $-\text{CH}(\text{CH}_3)-\text{COO}-$ it is
 known as zaltoprofen;

when residue (XXXVII) is $-\text{CH}_2-\text{COOH}$ it derives from the known
 mofezolac: 3,4-di p-methoxyphenyl) isoxazol-5-acetic acid;

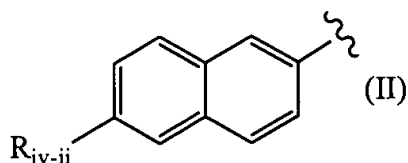
Group IIIA), where $t = 1$,

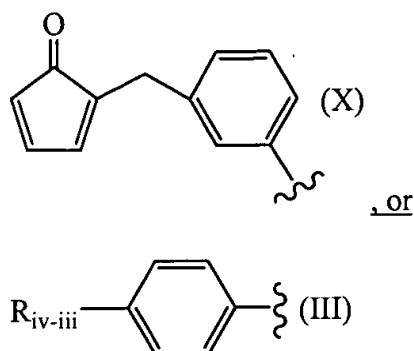


wherein:

at least one of R_{IVd} and R_{IVd1} is H and the other a linear or branched C_1-C_6
 alkyl, or difluoroalkyl with the alkyl having from 1-6 C atoms, or R_{IVd} and R_{IVd1}
 jointly form a methylene group;

R_{IV} has the following structure:





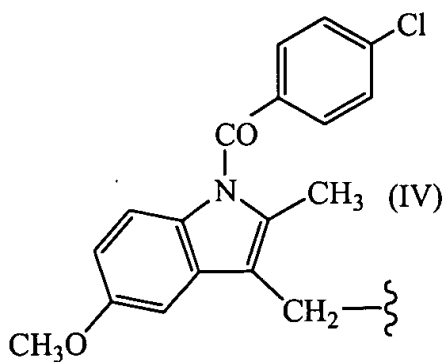
where:

in the residue of formula (II):

R_{iv-ii} is selected from the group consisting of an alkyl having from 1 to 6 C atoms, a cycloalkyl having from 3 to 7 C atoms, an alkoxymethyl having from 1 to 7 C atoms, a trifluoroalkyl having from 1 to 3 C atoms, vinyl, ethynyl, halogen, an alkoxy having from 1 to 6 C atoms, a difluoroalkoxy with the alkyl having from 1 to 7 C atoms, an alkoxymethoxy having from 1 to 7 C atoms, an alkylthiomethoxy with the alkyl having from 1 to 7 C atoms, an alkylmethylthio with the alkyl having from 1 to 7 C atoms, cyano, difluoromethylthio, a substituted phenyl-, and phenylalkyl with the alkyl having from 1 to 8 C atoms;

R_{iv-iii} is a C_2 - C_5 alkyl, a C_2 or C_3 alkyloxy, allyloxy, phenoxy, phenylthio, a cycloalkyl having from 5 to 7 C atoms, optionally substituted at position 1 by a C_1 - C_2 alkyl;

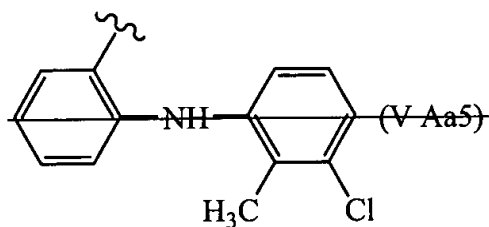
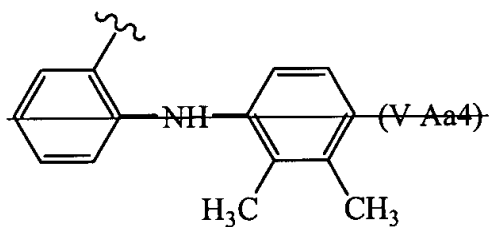
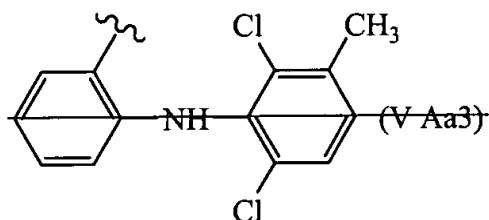
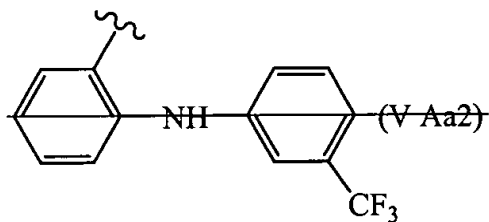
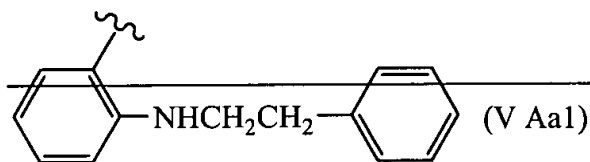
Group IV A)



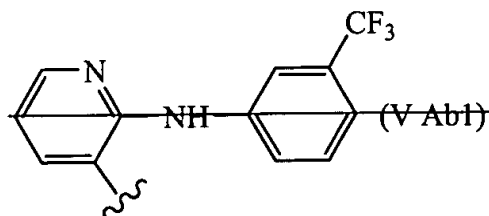
where $A = RCOO$, $t = 1$,

~~Group V A) chosen from the following:~~

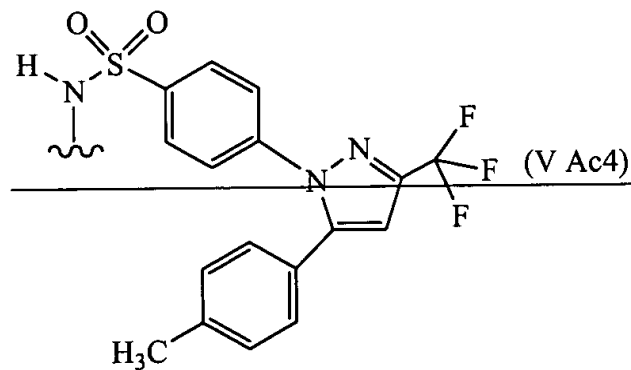
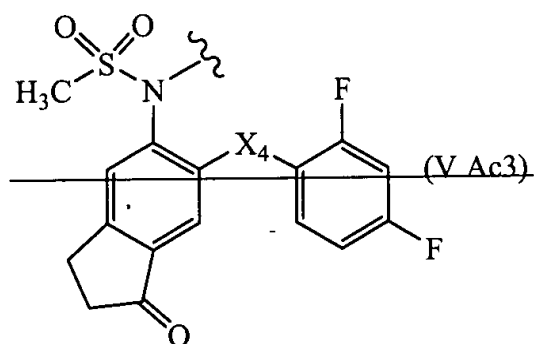
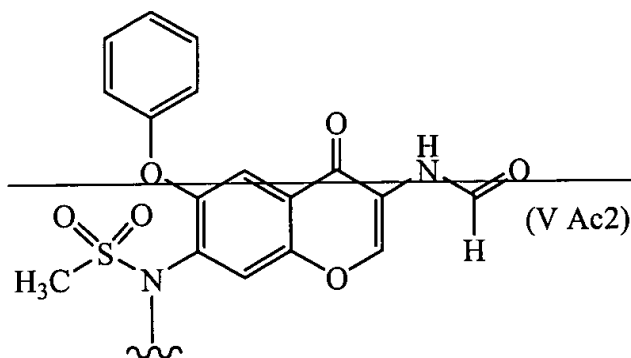
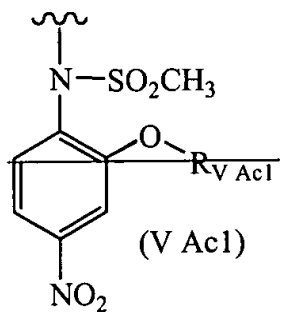
~~Subgroup V Aa) residues chosen from the following, where t = 1~~

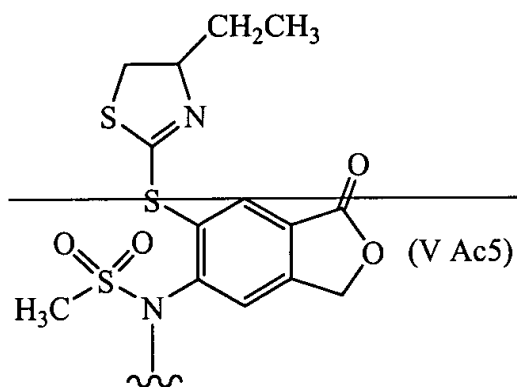


~~Subgroup V Ab), residue, where t = 1:~~

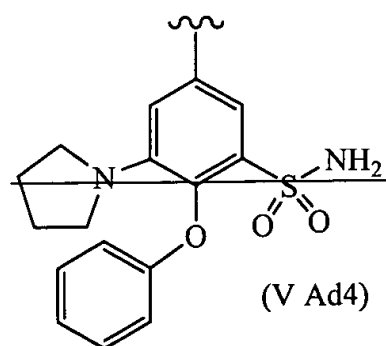
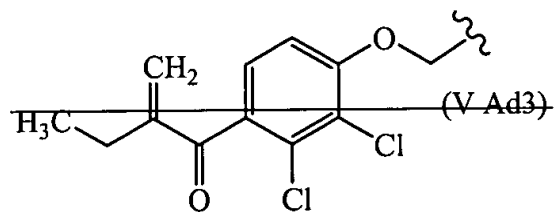
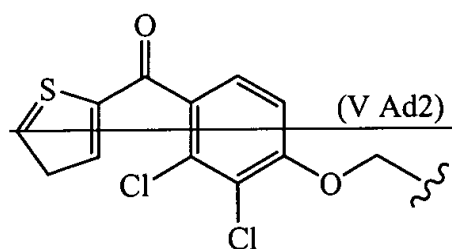
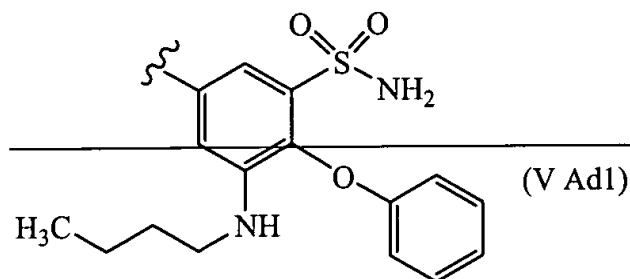


Subgroup V Ac), residue, where $t = 0$ and R is as follows:

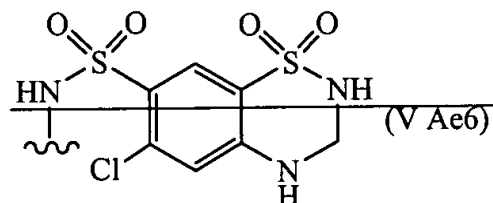
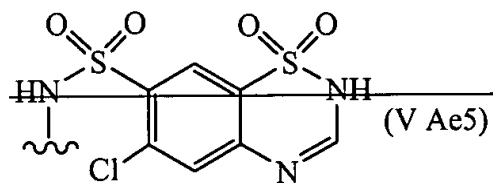
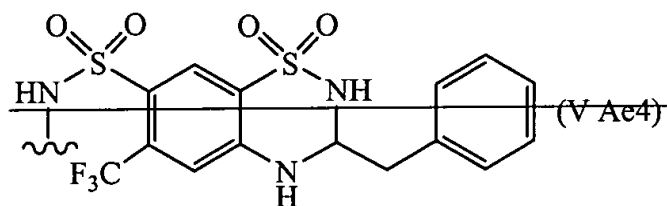
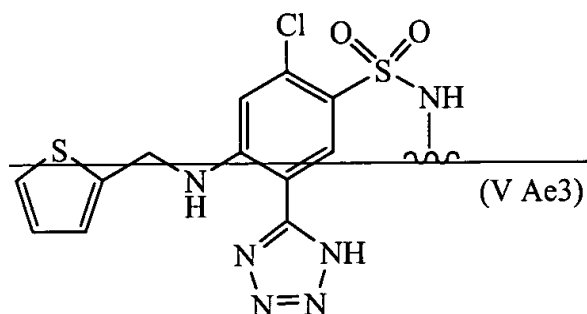
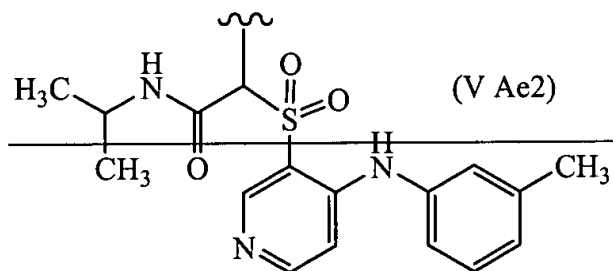
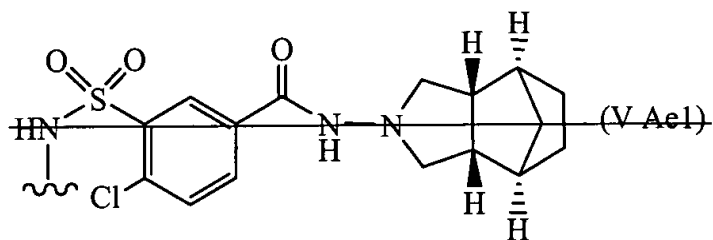


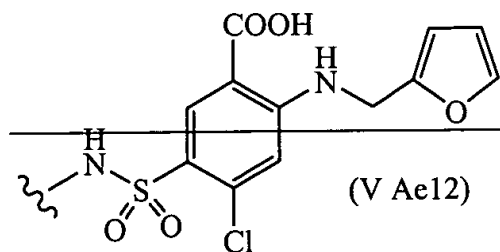
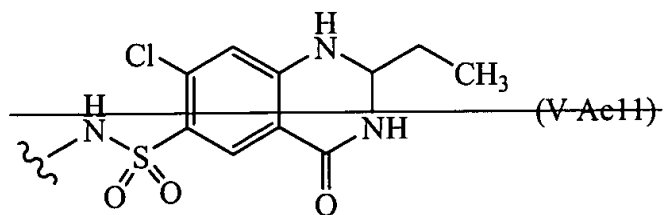
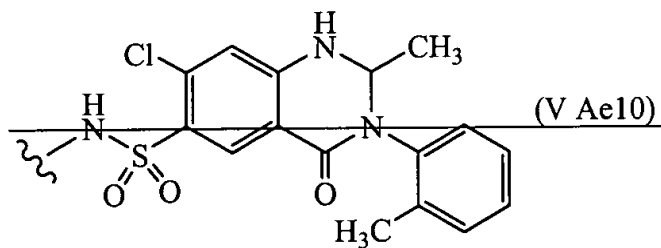
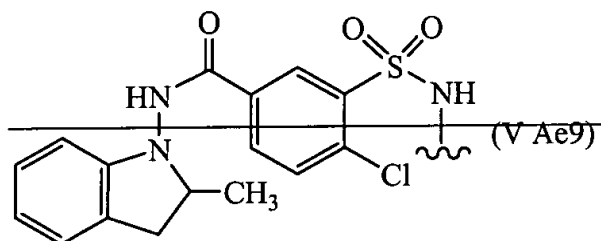
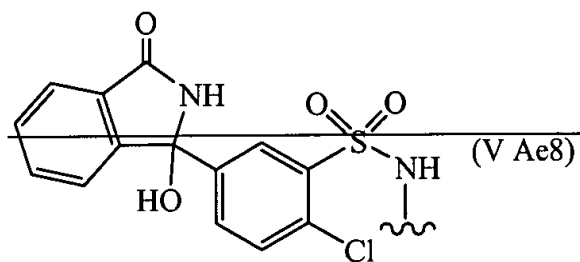
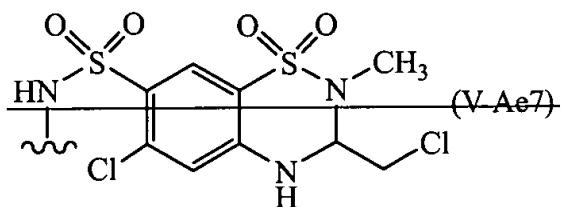


Subgroup V Ad) residues, where $t = 1$ and R is as follows:



Subgroup Ae) residues, where $t = 1$ and R is as follows:





wherein:

~~in compounds (V-Ac1) Rvac1 attached to the oxygen atom in position 2 of the benzene ring of the N-(4-nitro-phenyl)methansulphonamide can be phenyl or cyclohexane, when Rvac1 is phenyl the residue is that of nimesulfide;~~

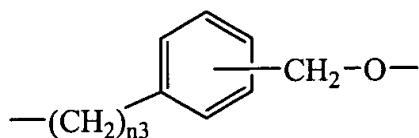
~~in compounds (V-Ac2) the residue of 3-formylamino-7-methylsulfonylamino-6-phenoxy-4H-1-benzopyran-4-one has been shown;~~

~~in compounds (V-Ac3) the atom X₄ that links the radical 2,4-difluorothiophenyl to position 6 of the indanone ring of the residue 5-methanesulfonamide-1-indanone can be sulfur or oxygen;~~

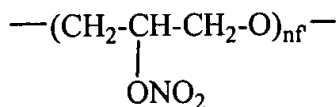
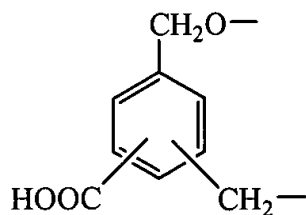
X₁ in formula A-X₁-NO₂ is a bivalent connecting bridge chosen from the following:

-YO

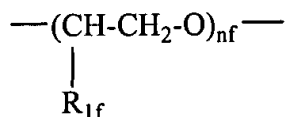
where Y is a linear or branched C₁-C₂₀ alkylene, or an optionally substituted cycloalkylene having from 5 to 7 carbon atoms;



where n₃ is an integer from 0 to 3;



where n_f' is an integer from 1 to 6; and

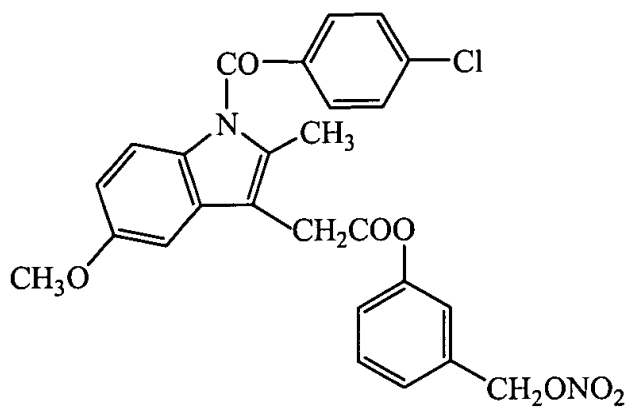


where R_{1f} = H or CH₃ and n_f is an integer from 1 to 6.

Claim 2. (Currently Amended) The method according to Claim 1, in which R is chosen from groups ~~IV A), V A) and II A)~~ IIA) and IVA).

Claims 3 to 8. (Canceled)

Claim 9. (Previously Presented) A compound having the following formula:



Claim 10. (Previously Presented) A method for treating urinary incontinence comprising administering to a patient in need thereof a therapeutically effective amount of the compound of claim 9 or a pharmaceutically acceptable salt thereof.

Claims 11 to 25. (Canceled)

Claim 26. (Previously Presented) A method for treating urinary incontinence comprising administering to a patient in need thereof a therapeutically effective amount of the compound flurbiprofen 4-(nitrooxy)butyl ester having the following formula:

